

Appendix A References

A-1. Required Publications

Note: References used in this EM are available on interlibrary loan from the Research Library, ATTN: CEWES-IM-MI-R, U.S. Army Engineer Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

16 U.S.C. 1451, et seq.

Coastal Zone Management Act of 1972, as amended

16 U.S.C. 1221, et seq.

Estuary Protection Act

16 U.S.C. 1361-1407, et seq.

Marine Mammal Protection Act

40 CFR 230, 33 CFR 209.145 and Corps regulations

U.S. Environmental Protection Agency Guidelines for Specification of Disposal Sites for Dredged or Fill Material

40 CFR 220

Ocean Dumping Criteria

ER 200-2-2

Policy and Procedures for Implementing NEPA

EM 1110-1-400

Recreation Planning and Design Criteria

EM 1110-2-1202

Environmental Engineering for Deep-Draft Navigation Channels Projects

EM 1110-2-1204

Environmental Engineering for Coastal Shore Protection

EM 1110-2-1615

Hydraulic Design of Small Boat Harbors

EM 1110-2-5025

Dredging and Dredged Material Disposal

EM 1110-2-5026

Beneficial Uses of Dredged Material

Adamus et al. 1988

Adamus, P. R., Clairain, E. J., Morrow, M. E., Rozas,

L. P., and Smith, R. D. 1988. "Wetland Evaluation Technique (WET) Volume I: Literature Review and Evaluation Rationale," Operational Draft, Technical Report EL-88, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Barnard 1978

Barnard, W. D. 1978. "Prediction and Control of Dredged Material Dispersion Around Dredging and Open-Water Pipeline Disposal Operations," Technical Report DS-78-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Boozer 1979

Boozer, A. C. 1979. "A Review of the Impacts of Coastal Marina Siting, Construction, and Activities as Related to Water Quality Considerations," Publication No. 001-79, South Carolina Department of Health and Environmental Control, Bureau of Field and Analytical Services, Division of Biological and Special Services, Columbia, SC.

Bowen 1966

Bowen, H. J. M. 1966. "Trace Elements In Biochemistry," Academic Press, New York.

Brannon 1978

Brannon, J. M. 1978. "Evaluation of Dredged Material Pollution Potential," Technical Report DS-78-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Brockwell 1987

Brockwell, S. M., Jr. 1987. "Site Analysis Factors For Small Craft Harbors," Marine Design and Engineering Conference, Technical Paper, Boston, MA.

Burrage 1988

Burrage, D. D. 1988. *The Mississippi Oyster Industry: Past, Present, and Future*, Proceedings of a Conference Held in Biloxi, MS, December 1-2, 1988. MASCP-88-048. Mississippi/Alabama Sea Grant Consortium, Ocean Springs, MS, pp 30-40.

Callaway 1981

Callaway, R. J. 1981. "Flushing Study of South Beach Marina, Oregon," *Journal of Waterway, Port, Coastal and Ocean Division*, Vol 107, No. WW2.

Camfield, Ray, and Eckert 1980

Camfield, F.E., Ray, R.E., and Eckert, J.W. 1980. "The Possible Impact of Vessel Wakes on Bank Erosion,"

Report No. CG-W-1-80, U.S. Department of Transportation, Washington, DC.

Cardwell and Koons 1981

Cardwell, R. D., and Koons, R. R. 1981. "Biological Considerations for the Siting and Design of Marina and Affiliated Structures in Puget Sound," Technical Report No. 60, State of Washington, Department of Fisheries.

Cardwell, Nece, and Richey 1980

Cardwell, R. D., Nece, R. E., and Richey, E. P. 1980. "Fish, Flushing, and Water Quality: Their Roles in Marina Design," *Coastal Zone 80, Proceedings of the Second Symposium on Coastal and Ocean Management*, American Society of Civil Engineers, Vol 1.

Chamberlain 1983

Chamberlain, Clinton J. 1983. "Marina Recommendations for Design, Construction, and Management, Volume 1," National Marine Manufacturers Asso., Chicago, IL.

Chmura and Ross 1978

Chmura, Gail L., and Ross, Neil W. 1978. "The Environmental Impacts of Marinas and Their Boats, a Literature Review with Management Considerations," University of Rhode Island Marine Memorandum 45, Narragansett, RI.

Christensen and Snyder 1978

Christensen, B. A., and Snyder, R. M. 1978. "Establishment of Residential Waterfront Property by Construction of Canal Systems in Coastal Wetlands, Problems and Solutions," *Coastal Zone 78*, pp 1301-1315.

Clark, Finely, and Gibson 1974

Clark, R. C., Jr., Finely, J. S., and Gibson, G. C. 1974. "Acute Effects of Outboard Motor Effluents on Two Marine Shellfish," *Environmental Science and Technology*, 8(12), pp 1009-1014.

Coastal and Ocean Engineering 1990

Coastal and Ocean Engineering. 1990. Volume 3: Harbors, Navigational Channels, Estuaries, and Environmental Effects, Gulf Publishing Co., Houston, TX.

de La Cruz 1983

de La Cruz, A. 1983. "Biological Impacts of Shoreline Structures: The Effects of Shapes, Siting, and Construction Materials," BMR Project No. NC-7-81, NOAA Grant NA 81AA-D-CZ145.

Dunham and Finn 1974

Dunham, J. W., and Finn, A. A. 1974. "Small-Craft Harbors: Design, Construction, and Operation," Special Report No. 2, U.S. Army Engineer Coastal Engineering Research Laboratory, Available from: Technical Information Center, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Environmental Science and Engineering 1981

Environmental Science and Engineering. 1981. "Navigation Impact Study, Illinois River, Pool 26, August 1980, Mississippi River, Pool 9, October 1980, Phase III, Task 9," Prepared for: Illinois Natural History Survey, Grafton, IL.

Faurot, Landino, Reisenbichler, and Clarke 1989

Faurot, M. W., Landino, S. W., Reisenbichler, A. A., and Clarke, D. G. 1989. "Habitat Utilization By Juvenile Pink and Chum Salmon in Upper Resurrection Bay, Alaska," U.S. Army Engineer Waterways Experiment Station, Technical Report EL-89-17, Vicksburg, MS.

Hall, Dortch, and Bird 1988

Hall, R. W., Dortch, M. S., and Bird, S. L. 1988. "Summary of Corps of Engineers Methodologies for Modeling Water Quality of Estuaries and Coastal Embayments," Miscellaneous Paper EL-88-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Hastings 1979

Hastings, R. W. 1979. "The Origin and Seasonality of the Fish Fauna on a New Jetty in the Northeastern Gulf of Mexico," *Bulletin of the Florida State Museum*, Vol 24, No. 1.

Hirsch, DiSalvo, and Peddicord 1978

Hirsch, N. D., DiSalvo, L. H., and Peddicord, R. 1978. "Effects of Dredging and Disposal on Aquatic Organisms," Technical Report DS-78-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Johnson and De Wit 1978

Johnson, G. F., and De Wit, L. A. 1978. "Ecological Effects of an Artificial Island, Rincon Island, Punta Gorda, California," Miscellaneous Report 78-3, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA.

Kivekas and Sarela 1985

Kivekas, L. K., and Sarela, K. 1985. "Boating and Marina Building in Finland," *Proceedings of the*

26th Congress of Permanent International Association of Navigation Congresses, Section II, Subject 5, Brussels, Belgium.

Kuzminski, Jackivicz, and Bancroft 1973

Kuzminski, L. N., Jackivicz, T. P., Jr., and Bancroft, D. A. 1973. "Identification and Fate of Organic Compounds Emitted from Outboard Motor Subsurface Exhausts," Progress Report for the Division of Water Pollution Control, Massachusetts Water Resources Commission, Report No. Env. E. 31-73-2, Boston, MA.

LaSalle 1988

LaSalle, M. W. 1988. "Seasonal Restrictions on Dredging: Workshop Summary," Environmental Effects of Dredging, Technical Note EEDP-08-1. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Lubinski, Seagle, Bhowmik, Adams, Sexton, Beohnerkempe, Allgire, Davis, and Fitzpatrick 1981.

Lubinski, K. S., Seagle, H. H., Bhowmik, N. G., Adams, J. R., Sexton, M. A., Beohnerkempe, J., Allgire, R. L., Davis, D. K., and Fitzpatrick, W. 1981. "Information Summary of the Physical, Chemical, and Biological Effects of Navigation," Upper Mississippi River Basin Commission, Grafton, IL.

Manny, Schloesser, Brown, and French 1985

Manny, B. A., Schloesser, D. W., Brown, C. L., and French, J. R. III. 1985. "Ecological Effects of Rubble-Mound Breakwater Construction and Channel Dredging at West Harbor, Ohio (Western Lake Erie)," Technical Report EL-85-10, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, p 30.

Mathis and Kevern 1975

Mathis, B. J., and Kevern, N. R. 1975. "Distribution of Mercury, Cadmium, Lead, and Thallium in a Eutrophic Lake," *Hydrobiologia*, 46(203), pp 207-222.

May and McKinney 1981

May, T. W., and McKinney, G. L. 1981. "Cadmium, Lead, Mercury, Arsenic, and Selenium Concentrations in Freshwater Fish," *Pesticide Monitoring Journal*, 15(1), pp 14-38.

McBee and Brehm 1979

McBee, J. T., and Brehm, W. T. 1979. "Macrobenthos of Simmons Bayou and an Adjoining Residential Canal," *Gulf Research Reports*, Vol 6, No. 3, pp 211-216.

Miller 1988

Miller, A. C. 1988. "The Value of Wing Dams for Freshwater Mussels," Environmental Effects of Dredging Technical Note EEDP-08-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Miller and Decell 1984

Miller, A. C., and Decell, J. L. 1984. "Use of the White Amur for Aquatic Plant Management," Instruction Report A-84-1 of the Aquatic Plant Control Research Program, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Miller and King 1984

Miller, A. C., and King, R. H. 1984. "Large-Scale Operations Management Test of Use of the White Amur for Control of Problem Aquatic Plants, Report 5, Synthesis Report," Technical Report A-78-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Moore and Walton 1984

Moore, C.I., and Walton, R. 1984. "DYNTRAN/TRAN User's Manual," Camp, Dresser, and McKee, Inc., Annandale, VA.

Morris 1981

Morris, F. W., IV. 1981. "Residential Canals and Canal Networks: Design and Evaluation," Report No. 43, Florida Sea Grant College, prepared in cooperation with the Board of Regents of the State of Florida University System and the Board of Commissioners of Palm Beach County, University of Florida, Gainesville, FL.

National Marine Fisheries Services 1983

National Marine Fisheries Services. 1983. *Guidelines for Proposed Wetland Alterations in the Southeast Region of the U.S.*

National Oceanic and Atmospheric Administration 1976

National Oceanic and Atmospheric Administration. 1976. "Coastal Facility Guidelines," National Oceanic and Atmospheric Administration, Office of Coastal Zone Management.

National Oceanic and Atmospheric Administration 1976

National Oceanic and Atmospheric Administration. 1976. "Coastal Facility Guidelines: A Methodology for Development with Environmental Case Studies On Marinas and

Power Plants," U.S. Dept. of Commerce, NOAA Working Paper.

National Water Safety Congress 1988

National Water Safety Congress. 1988. "Guide for the Safe Operation and Maintenance of Marinas," NWSC B-13, Warrenton, VA.

Nece, Richey, Rhee, and Smith 1979

Nece, C. W., Richey, E. P., Rhee, J., and Smith, H. N. 1979. "Effects of Planform Geometry on Tidal Flushing and Mixing in Marinas," Technical Report No. 62, Department of Civil Engineering, College of Engineering, University of Washington, Seattle, WA.

Nielsen, Sheehan, and Orth 1986

Nielsen, L. A., Sheehan, R. J., and Orth, D. J. 1986. "Impacts of Navigation on Riverine Fish Production in the United States," *Polskie Archiwum Hydrobiologii*, Vol 34, pp 277-294.

Palermo, Montgomery, and Poindexter 1978

Palermo, M. R., Montgomery, R. L., and Poindexter, M. 1978. "Guidelines for Designing, Operating, and Managing Dredged Material Containment Areas," Technical Report DS-78-10, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Payne 1989

Payne, B. S. 1989. "The Value of Gravel Disposal Mounds in River Side Channels for Freshwater Mussels," Environmental Effects of Dredging Technical Note EEDP-07-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Pullen and Thayer 1989

Pullen, E. J., and Thayer, G. W. 1989. "An Evaluation of Habitat Development and Vegetative Shoreline Stabilization," *Beach Preservation Technology '89*, Florida Shore and Beach Preservation Association, Inc., pp 87-100.

Rasmussen 1983

Rasmussen, J. L. 1983. "A Summary of Known Navigation Effects and a Priority List of Data Gaps for the Biological Effects of Navigation on the Upper Mississippi River," prepared for the U.S. Army Engineer District, Rock Island, by U.S. Fish and Wildlife Service, Contract No. NCR-LO-83-C9, Rock Island, IL, p 96.

Sabol 1983

Sabol, B. M. 1983. "Simulated Mechanical Control of Aquatic Plants in Buffalo Lake, Wisconsin," Aquatic Plant

Control Research Program Miscellaneous Paper A-83-8, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Sanders and Killgore 1989

Sanders, L., and Killgore, K. J. 1989. "Seasonal Restrictions on Dredging Operations in Freshwater Systems," Environmental Effects of Dredging Technical Note EEDP-01-16, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Sembler, Lee, Dearstyne, Dunham, and Kvammen 1969

Sembler, E. L., Lee, C. E., Dearstyne, S. C., Dunham, J. W., and Kvammen, K. R. 1969. "Small Craft Harbors," American Society of Civil Engineers, New York.

Tetra Tech 1988

Tetra Tech. 1988. "Rive St. Johns Phase II Canal System Water Quality Model Study," Tetra Tech Report TC-3668-04.

U.S. Army Corps of Engineers 1980

U.S. Army Corps of Engineers. 1980. "Oregon Inlet Larval Transport Sensitivity Study," U.S. Army Engineer District, Wilmington, p 29.

U.S. Army Corps of Engineers 1983

U.S. Army Corps of Engineers. 1983. "A Decade of Ecological Studies Following Construction of Honokohau Small Boat Harbor," U.S. Army Engineer District, Honolulu, p 88.

U.S. Army Corps of Engineers 1989

U.S. Army Corps of Engineers. 1989. "Lawsen Bay, Alaska, Small Boat Harbor," U.S. Army Engineer District, Alaska, p 153 and Appendix.

USEPA 1975

USEPA. 1975. "Finger-Fill Canal Studies, Florida and North Carolina," Report EPA 904/9-76-017, Surveillance and Analysis Division, U.S. Environmental Protection Agency, Athens, GA.

USEPA 1985

USEPA. 1985. "Coastal Marinas Assessment Handbook," Report EPA 904/6-85-132, NEPA Compliance Section, U.S. Environmental Protection Agency, Atlanta, GA.

U.S. Fish and Wildlife Service 1980

U.S. Fish and Wildlife Service. 1980. "Biological Impacts of Minor Shoreline Structures on the Coastal

Environment: State of the Art Review" U.S. Dept of the Interior, FWS/OBS -77-51, Vol 1, p 156.

Van Dolah, Knott, and Calder 1984

Van Dolah, R. F., Knott, D. M., and Calder, D. R. 1984. "Ecological Effects of Rubble Weir Jetty Construction at Murrells Inlet, South Carolina; Vol I, Colonization and Community Development on New Jetties," Technical Report EL-84-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, p 69.

Walton 1983

Walton, R. 1983. "Computer Modeling of Hydrodynamics and Solute Transport in Canals and Marinas, Literature Review and Guidelines for Future Development," Miscellaneous Paper EL-83-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Whitten, Rosene, and Hedgpeth 1950

Whitten, H. L., Rosene, H. F., and Hedgpeth, J. W. 1950. "The Invertebrate Fauna of Texas Coast Jetties; A Preliminary Survey," Publications of the Institute of Marine Science, University of Texas, Vol 1, No. 2, pp 53-87.

Wood and Davis 1978

Wood, W. L., and Davis, S. E. 1978. "Effectiveness and Environmental Impact of Beach Nourishment at the Indiana Dunes National Seashore," Great Lakes Coastal Research Laboratory, Department of Geosciences, Purdue University, West Lafayette, IN.

Wright 1978

Wright, T. D. 1978. "Aquatic Dredged Material Disposal Impacts," Technical Report DS-78-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

A-2. Related Publications

40 CFR 1500-1508

Council on Environmental Quality Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act of 1969

16 U.S.C. 460-1(12), et seq.

Federal Water Project Recreation Act, as amended

16 U.S.C. 469, et seq.

Archaeological and Historic Preservation Act, as amended

16 U.S.C. 470a, et seq.

National Historic Preservation Act, as amended

16 U.S.C. 661, et seq.

Fish and Wildlife Coordination Act, as amended

16 U.S.C. 1001, et seq.

Watershed Protection and Flood Prevention Act

16 U.S.C. 1271 et seq.

Wild and Scenic Rivers Act, as amended

16 U.S.C. 1531, et seq.

Endangered Species Act, as amended

16 U.S.C. 4601-4601-11, et seq.

Land and Water Conservation Fund Act, as amended

33 U.S.C. 1344, et seq.

Clean Water Act, as amended

33 U.S.C. 1401, et seq.

Marine Protection, Research, and Sanctuaries Act of 1972

33 U.S.C. 401, et seq.

Rivers and Harbors Act

42 U.S.C. 4321, et seq.

National Environmental Policy Act of 1969, as amended

42 U.S.C. 7401, et seq.

Clean Air Act, as amended

E.O. 11988

Floodplain Management

E.O. 11990

Protection of Wetlands

E.O. 12114

Environmental Effects Abroad of Major Federal Actions

ER 1110-2-400

Design of Recreation Sites, Areas, and Facilities

ER 1110-2-1404

Deep-Draft Navigation Project Design

ER 1130-2-400

Management of Natural Resources and Outdoor Recreation at Civil Works Water Resource Projects

ER 1130-2-406

Shoreline Management at Civil Works Projects

EM 1110-2-1206
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ER 1165-2-28

Corps of Engineers Participation in Improvements for Environmental Quality

EP 1165-2-1

Digest of Water Resources Policies

EM 1110-2-1612

Ice Engineering

EM 1110-2-1613

Hydraulic Design of Deep-Draft Navigation Projects

Miscellaneous Paper D-76-17

Ecological Evaluation of Proposed Discharge of Dredged or Fill Material into Navigable Waters: Interim Guidance for Implementation of Section 404(b)(1) of Public Law 92-500 (Federal Water Pollution Control Act Amendments of 1972)," U.S. Army Engineer Waterways Experiment Station (WES).

Chaney 1961

Chaney, C. A. 1961. "Marinas, Recommendations for Design, Construction and Maintenance," National Association of Engine and Boat Manufacturers, Inc., New York.

Engel 1984

Engel, S. 1984. "Restructuring Littoral Zones: A Different Approach to an Old Problem," *Lake and Reservoir Management, Proceedings of the North American Lake Management Society*, EPA 440/5-84-001, Washington, DC, pp 463-466.

Engel 1985

Engel, S. 1985. "Aquatic Community Interactions of Submerged Macrophytes," Technical Bulletin Number 156, Department of Natural Resources, Madison, WI.

Engel 1987

Engel, S. 1987. "The Impact of Submersed Macrophytes on Largemouth Bass and Bluegills," *Lake Reservoir Management*, 3:227-234.

Hynes 1974

Hynes, H. B. N. 1974. "The Ecology of Running Water," University of Toronto Press, Toronto, Ontario, Canada.

LaSalle, Clarke, Homziak, Lunz, and Fredette 1979

LaSalle, M. W., Clarke, D. G., Homziak, J., Lunz, J. D., and Fredette, T. J. 1979. "A Framework for Addressing

the Need for Seasonal Restrictions on Dredging and Disposal Operations," U.S. Army Engineer Waterways Experiment Station, Technical Report D-89- , p 110, Vicksburg, MS.

Merezhko 1973

Merezhko, A. I. 1973. "Role of Higher Aquatic Plants in the Self-Purification of Lakes and Rivers," *Hydrobiological Journal*, Vol 9, pp 103-109.

Merezhko, Ryabov, and Tsytsarin 1977

Merezhko, A. I., Ryabov, A. K., and Tsytsarin, G. V. 1977. "The Effects of Macrophytes on Hydrochemistry of the Shallows of the Kremenchug Reservoir," *Hydrobiological Journal*, Vol 13, pp 97-100.

Mitsch and Gosselink 1986

Mitsch, W. J., and Gosselink, J. G. 1986. *Wetlands*, Van Nostrand Reinhold Co., New York.

Payne, Bingham, and Miller 1989

Payne, B. S., Bingham, C. R., and Miller, A. C. 1989. "Life History and Production of Dominant Larval Insects on Stone Dikes in the Lower Mississippi River," Report 18 of the Lower Mississippi River Environmental Program, U.S. Army Engineer Division, Lower Mississippi Valley, Vicksburg, MS.

USAESAM 1983

USAESAM. 1983. "Public Notice: Joint Guidelines on Criteria and Concerns for the Siting, Design, and Evaluation of Freshwater Dead-End Canals," U.S. Army Engineer District, Mobile, AL.

U.S. Army Corps of Engineers 1980

U.S. Army Corps of Engineers. 1980. "Publication Index and Retrieval System," Technical Report DS-78-23, Dredged Material Research Program, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Westerdahl and Getsinger 1988a

Westerdahl, H. E., and Getsinger, K. D. 1988a. "Volume I: Aquatic Plant Identification and Herbicide Use Guide," Technical Report A-88-9, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Westerdahl and Getsinger 1988b

Westerdahl, H. E., and Getsinger, K. D. 1988a. "Volume II: Aquatic Plant Identification and Herbicide Use Guide," Technical Report A-88-9, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Wiley, Gordon, Waite, and Powless 1984

Wiley, M. J., Gordon, R. W., Waite, S. W., and Powless, T. 1984. "The Relationships Between Aquatic Macrophytes and Sport Fish Production in Illinois Ponds: a Simple Model," *North American Journal of Fisheries Management*, Vol 4, pp 111-119.